



PCT09

RAW SEQUENCE LISTING

DATE: 03/19/2003

PATENT APPLICATION: US/09/744,794B

TIME: 14:37:46

Input Set : A:\pf0565usn_seqlist.txt

Output Set: N:\CRF4\03192003\I744794B.raw

1 <110> APPLICANT: INYCTE PHARMACEUTICALS, INC.; HILLMAN, Jennifer L.
 2 LAL, Preeti; TANG, Y. Tom
 3 CORLEY, Neil C.; GUEGLER, Karl J.
 4 BAUGHN, Mariah R.; PATTERSON, Chandra
 5 BANDMAN, Olga; AU-YOUNG, Janice
 6 GORGONE, Gina A.; YUE, Henry
 7 AZIMZAI, Yalda; REDDY, Roopa
 8 LU, Dyung Aina M.; SHIH, Leo L.
 10 <120> TITLE OF INVENTION: PHOSPHORYLATION EFFECTORS
 12 <130> FILE REFERENCE: PF-0565 USN
 14 <140> CURRENT APPLICATION NUMBER: US 09/744,794B
 C--> 15 <141> CURRENT FILING DATE: 8200-01-26
 17 <150> PRIOR APPLICATION NUMBER: US 99/17132
 18 <151> PRIOR FILING DATE: 1999-07-28
 20 <150> PRIOR APPLICATION NUMBER: US 60/155,233
 21 <151> PRIOR FILING DATE: 1999-01-12
 23 <150> PRIOR APPLICATION NUMBER: US 60/113,796
 24 <151> PRIOR FILING DATE: 1998-12-22
 26 <150> PRIOR APPLICATION NUMBER: US 60/109,093
 27 <151> PRIOR FILING DATE: 1998-11-19
 29 <150> PRIOR APPLICATION NUMBER: US 60/106,889
 30 <151> PRIOR FILING DATE: 1998-11-03
 32 <160> NUMBER OF SEQ ID NOS: 61
 33 <170> SOFTWARE: PERL Program
 35 <210> SEQ ID NO: 1
 36 <211> LENGTH: 300
 37 <212> TYPE: PRT
 38 <213> ORGANISM: Homo sapiens
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 41 <221> NAME/KEY: misc_feature
 42 <223> OTHER INFORMATION: Incyte ID No: 132240
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 46 1 5 10 15
 47 Ile Lys Glu Ser Ser Phe Glu Glu Ser Asn Ile Glu Asp Pro Leu
 48 20 25 30
 49 Ile Val Thr Pro Asp Cys Gln Glu Lys Thr Ser Pro Lys Gly Val
 50 35 40 45
 51 Glu Asn Pro Ala Val Gln Glu Ser Asn Gln Lys Met Leu Gly Pro
 52 50 55 60
 53 Pro Leu Glu Val Leu Lys Thr Leu Ala Ser Lys Arg Asn Ala Val
 54 65 70 75
 55 Ala Phe Arg Ser Phe Asn Ser His Ile Asn Ala Ser Asn Asn Ser

ENTERED

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56          80          85          90
57 Glu Pro Ser Arg Met Asn Met Thr Ser Leu Asp Ala Met Asp Ile
58          95          100          105
59 Ser Cys Ala Tyr Ser Gly Ser Tyr Pro Met Ala Ile Thr Pro Thr
60          110          115          120
61 Gln Lys Arg Arg Ser Cys Met Pro His Gln Thr Pro Asn Gln Ile
62          125          130          135
63 Lys Ser Gly Thr Pro Tyr Arg Thr Pro Lys Ser Val Arg Arg Gly
64          140          145          150
65 Val Ala Pro Val Asp Asp Gly Arg Ile Leu Gly Thr Pro Asp Tyr
66          155          160          165
67 Leu Ala Pro Glu Leu Leu Leu Gly Arg Ala His Gly Pro Ala Val
68          170          175          180
69 Asp Trp Trp Ala Leu Gly Val Cys Leu Phe Glu Phe Leu Thr Gly
70          185          190          195
71 Ile Pro Pro Phe Asn Asp Glu Thr Pro Gln Gln Val Phe Gln Asn
72          200          205          210
73 Ile Leu Lys Arg Asp Ile Pro Trp Pro Glu Gly Glu Glu Lys Leu
74          215          220          225
75 Ser Asp Asn Ala Gln Ser Ala Val Glu Ile Leu Leu Thr Ile Asp
76          230          235          240
77 Asp Thr Lys Arg Ala Gly Met Lys Glu Leu Lys Arg His Pro Leu
78          245          250          255
79 Phe Ser Asp Val Asp Trp Glu Asn Leu Gln His Gln Thr Met Pro
80          260          265          270
81 Phe Ile Pro Gln Pro Asp Asp Glu Thr Asp Thr Ser Tyr Phe Glu
82          275          280          285
83 Ala Arg Asn Thr Ala Gln His Leu Thr Val Ser Gly Phe Ser Leu
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90 <213> ORGANISM: Homo sapiens
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94 <223> OTHER INFORMATION: Incyte ID No: 2180116
96 <400> SEQUENCE: 2
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101 Gln Lys Arg His Ala Arg Val Thr Val Lys Tyr Asp Arg Arg Glu
102          35          40          45
103 Leu Gln Arg Arg Leu Asp Val Glu Lys Trp Ile Asp Gly Arg Leu
104          50          55          60
105 Glu Glu Leu Tyr Arg Gly Met Glu Ala Asp Met Pro Asp Glu Ile
106          65          70          75
107 Asn Ile Asp Glu Leu Leu Glu Leu Glu Ser Glu Glu Glu Arg Ser
108          80          85          90

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109 Arg Lys Ile Gln Gly Leu Leu Lys Ser Cys Gly Lys Pro Val Glu
110          95          100          105
111 Asp Phe Ile Gln Glu Leu Leu Ala Lys Leu Gln Gly Leu His Arg
112          110          115          120
113 Gln Pro Gly Leu Arg Gln Pro Ser Pro Ser His Asp Gly Ser Leu
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115 Ser Pro Leu Gln Asp Arg Ala Arg Thr Ala His Pro
116          140          145
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121 <213> ORGANISM: Homo sapiens
123 <220> FEATURE:
124 <221> NAME/KEY: misc_feature
125 <223> OTHER INFORMATION: Incyte ID No: 2197671
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130 Leu Lys Ala Asp Pro Glu Glu Leu Phe Thr Lys Leu Glu Lys Ile
131      20      25      30
132 Gly Lys Gly Ser Phe Gly Glu Val Phe Lys Gly Ile Asp Asn Arg
133      35      40      45
134 Thr Gln Lys Val Val Ala Ile Lys Ile Ile Asp Leu Glu Glu Ala
135      50      55      60
136 Glu Asp Glu Ile Glu Asp Ile Gln Gln Glu Ile Thr Val Leu Ser
137      65      70      75
138 Gln Cys Asp Ser Pro Tyr Val Thr Lys Tyr Tyr Gly Ser Tyr Leu
139      80      85      90
140 Lys Asp Thr Lys Leu Trp Ile Ile Met Glu Tyr Leu Gly Gly Gly
141      95     100     105
142 Ser Ala Leu Asp Leu Leu Glu Pro Gly Arg Leu Asp Glu Thr Gln
143     110     115     120
144 Ile Ala Thr Ile Leu Arg Glu Ile Leu Lys Gly Leu Asp Tyr Leu
145     125     130     135
146 His Ser Glu Lys Lys Ile His Arg Asp Ile Lys Ala Ala Asn Val
147     140     145     150
148 Leu Leu Ser Glu His Gly Glu Val Lys Leu Ala Asp Phe Gly Val
149     155     160     165
150 Ala Gly Gln Leu Thr Asp Thr Gln Ile Lys Arg Asn Thr Phe Val
151     170     175     180
152 Gly Thr Pro Phe Trp Met Ala Pro Glu Val Ile Lys Gln Ser Ala
153     185     190     195
154 Tyr Asp Ser Lys Ala Asp Ile Trp Ser Leu Gly Ile Thr Ala Ile
155     200     205     210
156 Glu Leu Ala Arg Gly Glu Pro Pro His Ser Glu Leu His Pro Met
157     215     220     225
158 Lys Val Leu Phe Leu Ile Pro Lys Asn Asn Pro Pro Thr Leu Glu
159     230     235     240
160 Gly Asn Tyr Ser Lys Pro Leu Lys Glu Phe Val Glu Ala Cys Leu

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161		245		250		255
162	Asn Lys Glu Pro Ser Phe Arg Pro Thr	Ala Lys Glu Leu Leu Lys				
163		260		265		270
164	His Lys Phe Ile Leu Arg Asn Ala Lys	Lys Thr Ser Tyr Leu Thr				
165		275		280		285
166	Glu Leu Ile Asp Arg Tyr Lys Arg Trp	Lys Ala Glu Gln Ser His				
167		290		295		300
168	Asp Asp Ser Ser Ser Glu Asp Ser Asp	Ala Glu Thr Asp Gly Gln				
169		305		310		315
170	Ala Ser Gly Gly Ser Asp Ser Gly Asp	Trp Ile Phe Thr Ile Arg				
171		320		325		330
172	Glu Lys Asp Pro Lys Asn Leu Glu Asn	Gly Ala Leu Gln Pro Ser				
173		335		340		345
174	Asp Leu Asp Arg Asn Lys Met Lys Asp	Ile Pro Lys Arg Pro Phe				
175		350		355		360
176	Ser Gln Cys Leu Ser Thr Ile Ile Ser	Pro Leu Phe Ala Glu Leu				
177		365		370		375
178	Lys Glu Lys Ser Gln Ala Cys Gly Gly	Asn Leu Gly Ser Ile Glu				
179		380		385		390
180	Glu Leu Arg Gly Ala Ile Tyr Leu Ala	Glu Glu Ala Cys Pro Gly				
181		395		400		405
182	Ile Ser Asp Thr Met Val Ala Gln Leu	Val Gln Arg Leu Gln Arg				
183		410		415		420
184	Tyr Ser Leu Ser Gly Gly Gly Thr Ser	Ser His				
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188	<211> LENGTH: 218					
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190	<213> ORGANISM: Homo sapiens					
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198	1	5		10		15
199	Gln Val Glu Glu Ala Met Leu Ala Val	Leu His Thr Val Leu Leu				
200		20		25		30
201	His Arg Ser Thr Gly Lys Phe His Tyr	Lys Lys Glu Gly Thr Tyr				
202		35		40		45
203	Ser Ile Gly Thr Val Gly Thr Gln Asp	Val Asp Cys Asp Phe Ile				
204		50		55		60
205	Asp Phe Thr Tyr Val Arg Val Ser Ser	Glu Glu Leu Asp Arg Ala				
206		65		70		75
207	Leu Arg Lys Val Val Gly Glu Phe Lys	Asp Ala Leu Arg Asn Ser				
208		80		85		90
209	Gly Gly Asp Gly Leu Gly Gln Met Ser	Leu Glu Phe Tyr Gln Lys				
210		95		100		105
211	Lys Lys Ser Arg Trp Pro Phe Ser Asp	Glu Cys Ile Pro Trp Glu				
212		110		115		120

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Output Set: N:\CRF4\03192003\I744794B.raw

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213 Val Trp Thr Val Lys Val His Val Val Ala Leu Ala Thr Glu Gln
214                               125                               130                               135
215 Glu Arg Gln Ile Cys Arg Glu Lys Val Gly Glu Lys Leu Cys Glu
216                               140                               145                               150
217 Lys Ile Ile Asn Ile Val Glu Val Met Asn Arg His Glu Tyr Leu
218                               155                               160                               165
219 Pro Lys Met Pro Thr Gln Ser Glu Val Asp Asn Val Phe Asp Thr
220                               170                               175                               180
221 Gly Leu Arg Asp Val Gln Pro Tyr Leu Tyr Lys Ile Ser Phe Gln
222                               185                               190                               195
223 Ile Thr Asp Ala Leu Gly Thr Ser Val Thr Thr Thr Met Arg Arg
224                               200                               205                               210
225 Leu Ile Lys Asp Thr Leu Ala Leu
226                               215
228 <210> SEQ ID NO: 5
229 <211> LENGTH: 474
230 <212> TYPE: PRT
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233 <220> FEATURE:
234 <221> NAME/KEY: misc_feature
235 <223> OTHER INFORMATION: Incyte ID No: 1513871
237 <400> SEQUENCE: 5
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241                               20                               25                               30
242 Thr Glu Gln Phe Asn Gln Leu His Asn Arg Arg Asn Glu Asn Leu
243                               35                               40                               45
244 Gln Leu Gly Pro Leu Gly Arg Asp Pro Pro Gln Glu Cys Ser Thr
245                               50                               55                               60
246 Phe Ser Pro Thr Asp Ser Gly Glu Glu Pro Gly Gln Leu Ser Pro
247                               65                               70                               75
248 Gly Val Gln Phe Gln Arg Arg Gln Asn Gln Arg Arg Phe Ser Met
249                               80                               85                               90
250 Glu Asp Val Ser Lys Arg Leu Ser Leu Pro Met Asp Ile Arg Leu
251                               95                               100                              105
252 Pro Gln Glu Phe Leu Gln Lys Leu Gln Met Glu Ser Pro Asp Leu
253                               110                              115                              120
254 Pro Lys Pro Leu Ser Arg Met Ser Arg Arg Ala Ser Leu Ser Asp
255                               125                              130                              135
256 Ile Gly Phe Gly Lys Leu Glu Thr Tyr Val Lys Leu Asp Lys Leu
257                               140                              145                              150
258 Gly Glu Gly Thr Tyr Ala Thr Val Phe Lys Gly Arg Ser Lys Leu
259                               155                              160                              165
260 Thr Glu Asn Leu Val Ala Leu Lys Glu Ile Arg Leu Glu His Glu
261                               170                              175                              180
262 Glu Gly Ala Pro Cys Thr Ala Ile Arg Glu Val Ser Leu Leu Lys
263                               185                              190                              195
264 Asn Leu Lys His Ala Asn Ile Val Thr Leu His Asp Leu Ile His

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/744,794B

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Output Set: N:\CRF4\03192003\I744794B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:33; N Pos. 2548,2557,2645,2722,2757,2762,2765